

## **Supplemental Map Information (User Report)**

### **Outline**

Project ID: R09Y05P22

Project Title or Area: Eastern Massachusetts Updates

Source Imagery (type, scale and date): Aerial photography for these updates was 1991-92 era CIR and 1995 era B&W, both at 1:40K scale.

Collateral Data : Massachusetts DEP/Wetlands Conservancy Program mapping (WCP) produced by ink on mylar at 1:12K CIR. Soil Surveys from NRCS

Inventory Method (original mapping, map update, techniques used): The original NWI was photo interpreted using a mylar overlay on the photography and pen & ink technology with the use of a stereoscope. Update changes using the 1995 B&W were fairly common in Massachusetts, due to cranberry bog operations (agricultural exemptions).

The update was accomplished with the digital transfer scope (DTS) and using ArcMap 8.3

Data Limitations: Based on 1:40k aerial photography, and collateral data.

General description of the Project Area: The project area covers 22 quads (Salem Depot, Pepperell, Nashua South, Lowell, Lawrence, South Groveland, Ayer, Westford, Billerica, Wilmington, Reading, Hudson, Maynard, Concord, Lexington, Marlborough, Framingham, Natick, Newton, Milford, Holliston, and Medford. This area covers the Boston 1:250 quadrangle.

The area is within the Eastern Broadleaf Forest (Oceanic) Province eco-region. This province is characterized by a winter deciduous forest (sometimes called temperate deciduous forest) dominated by tall broadleaf trees that provide a dense, continuous canopy in summer and shed their leaves completely in winter. Lower layers of small trees and shrubs develop weakly.

Description of wetland habitats:

Riverine System

Lacustrine System

Palustrine System

EM5 is used to indicate *Phragmites australis* (PHAU7)